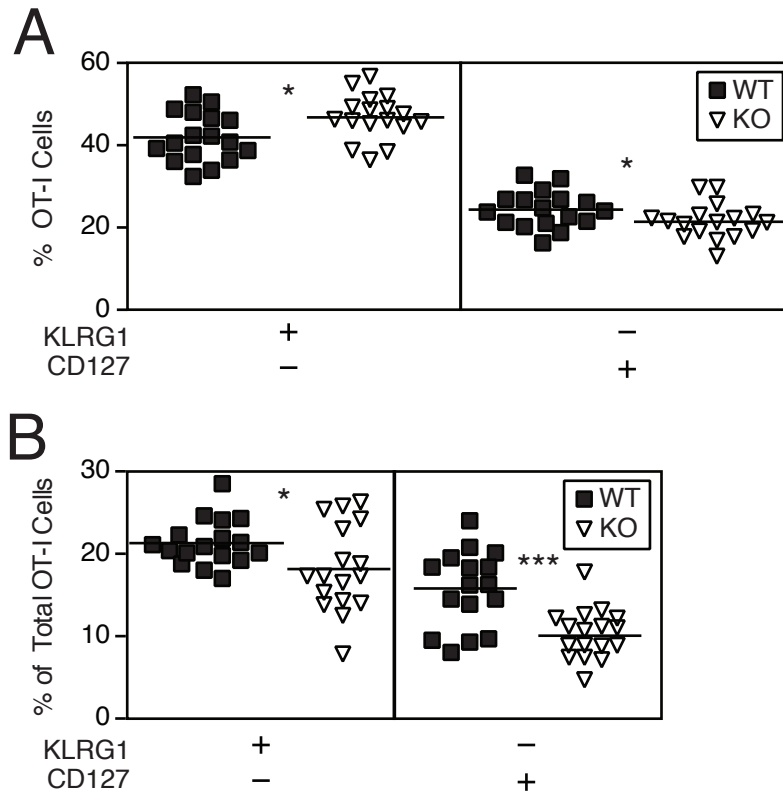
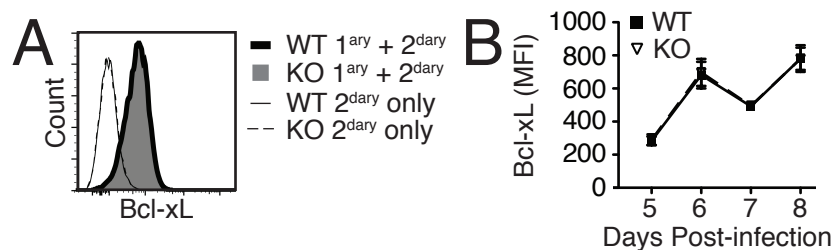


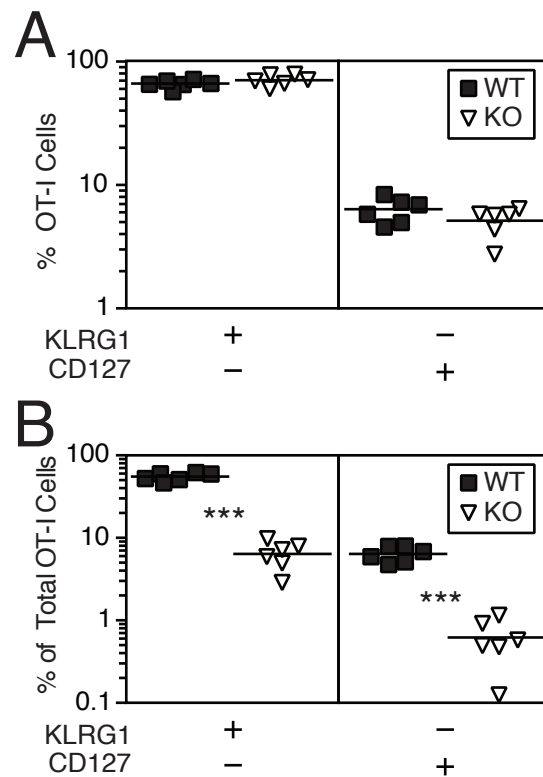
**SUPPLEMENTAL FIGURE 1.** Analysis of CD8 T cell responses to LM infection in wild-type (WT) and Tim-3 KO (KO) mice. Mice were infected with attLM-OVA and longitudinal analysis of CD8 T cell responses was performed as described in the text. CD8 T cells activated by attLM-OVA infection were defined as Thy1.2<sup>+</sup>CD8 $\alpha$ <sup>lo</sup> CD11a<sup>hi</sup>. **(A)** Analysis of peripheral blood samples taken from WT and Tim-3 KO mice on day 7 postinfection. **(B)** Analysis of splenocytes isolated from WT and KO mice on day 7 postinfection. Data are representative of results from 5 independent experiments. **(C)** Analysis of OVA tetramer<sup>+</sup> CD8 T cells in splenocytes obtained on the indicated days postinfection. **(D, E)** IFN- $\gamma$  and CD107a expression by CD8 T cells following *ex vivo* stimulation with OVAp. Assays were performed using splenocytes obtained on the indicated days postinfection. Data shown are representative of results obtained from at least 2 independent experiments.



**SUPPLEMENTAL FIGURE 2. (A)** Frequencies of KLRG1<sup>+</sup>CD127<sup>-</sup> and KLRG1<sup>-</sup>CD127<sup>+</sup> cells within the splenic pools of WT and Tim-3 KO OT-I cells. Spleens were obtained and analyzed on day 6 postinfection. **(B)** Frequencies of KLRG1<sup>+</sup>CD127<sup>-</sup> and KLRG1<sup>-</sup>CD127<sup>+</sup> cells within the total splenic pool of OT-I cells. Spleens were obtained and analyzed on day 6 postinfection. Each symbol represents data obtained from an individual host mouse that received a 1:1 mix of WT and Tim-3 KO OT-I cells and was infected with attLM-OVA on the following day. Data were generated from 3 independent experiments; from these a total of 17 host mice were analyzed. \*p<0.01; \*\*\*p<0.0001.



**SUPPLEMENTAL FIGURE 3.** Normal expression of the anti-apoptotic factor Bcl-xL by Tim-3 KO OT-I cells. Wild-type (WT) and Tim-3 KO (KO) OT-I cells (1000 each) were injected into WT hosts. The next day, hosts were infected with attLM-OVA. **(A)** Expression of Bcl-xL by splenic WT and Tim-3 KO OT-I cells as assessed on day 8 postinfection. **(B)** Mean fluorescence intensities (MFI) for Bcl-xL levels as determined on the indicated days postinfection. Bcl-xL expression was analyzed as shown in panel A. Each symbol represents the mean and standard error of 4 data points. Data are representative of results from 2 independent experiments.



**SUPPLEMENTAL FIGURE 4. (A)** Frequencies of KLRG1<sup>+</sup>CD127<sup>-</sup> and KLRG1<sup>-</sup>CD127<sup>+</sup> cells within the splenic pools of WT and Tim-3 KO OT-I cells. Splenocytes were obtained and analyzed on day 6 postinfection. **(B)** Frequencies of KLRG1<sup>+</sup>CD127<sup>-</sup> and KLRG1<sup>-</sup>CD127<sup>+</sup> cells within the total splenic pool of OT-I cells. Splenocytes were obtained and analyzed on day 6 postinfection. Each symbol represents data obtained from an individual host mouse that received a 1:1 mix of memory WT and Tim-3 KO OT-I cells and was infected with attLM-OVA on the following day. Data were obtained from one independent experiment in which a total of 6 host mice were analyzed. \*\*\*p<0.0001.